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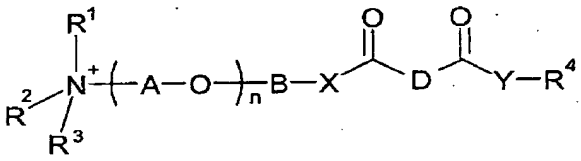
This listing of claims will replace all prior versions, and listings, of claims in the application:

1.(Previously Presented) A method for inhibiting corrosion and gas hydrate formation, said method comprising adding to a mixture of hydrocarbons and water a compound of formula (1)



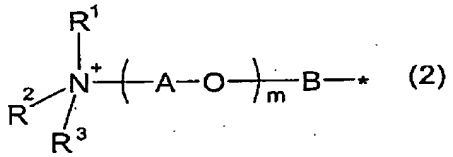
(1)

where

R^1, R^2 are each independently C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl,

R^3 is C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl, $-CHR^5-COO^-$ or $-O^-$,

R^4 is a radical of the formula (2)



(2)

m is a number from 0 to 30,

~~is M, hydrogen or an organic radical having from 1 to 100 carbon atoms~~,

A is a C_2- to C_4-alkylene group,

B is a C_1- to C_{10}-alkylene group,

D is an organic radical optionally containing heteroatoms and has [[having]] from 1 to 600 carbon atoms, said organic radical being selected from the group

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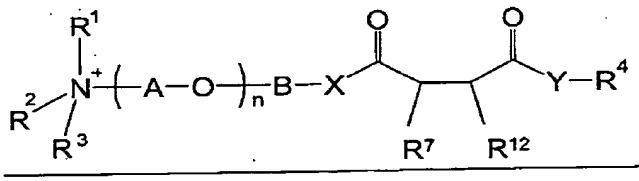
consisting of

a straight-chain or branched C_2- to C_{50}-alkylene group or a straight-chain or branched C_2- to C_{50}-alkenylene group which is derived from a saturated or unsaturated dicarboxylic acid,

a C_6- to C_{50}-aryl radical or a C_6- to C_{50}-arylalkyl radical which is derived from a benzenedicarboxylic acid, and

a radical of formula(3)



(3)

where R^7 and R^{12} are each either hydrogen or a C_2- to C_{100}-alkyl or C_2- to C_{100}-alkenyl radical and wherein bonding of D occurs through any valence within R^7 or R^{12}

X, Y are each independently O or NR^6,

R^5, R^6 are each independently hydrogen, C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl, and

M is a cation

n is a number from 1 to 30.

2.(Previously Presented) The method of claim 1, wherein A is an ethylene or propylene group.

3.(Previously Presented) The method of claim 1, wherein B is a C_2- to C_4-alkylene group.

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4.(Previously Presented) The method of claim 1, wherein R^1 and R^2 are each independently an alkyl or alkenyl group of from 2 to 14 carbon atoms.

5.(Previously Presented) The method of claim 1, wherein R^3 is an alkyl or alkenyl group having from 1 to 12 carbon atoms.

6.(Previously Presented) The method of claim 1, wherein R^5 and R^6 are hydrogen.

7.(Previously Presented) The method of claim 1, wherein n is a number in the range from 1 to 10.

8.(Canceled)

9.(Previously Presented) The method of claim 1, wherein D is a C_2- to C_{50}-alkylene or C_2- to C_{50}-alkenylene group.

10.(Previously Presented) The method of claim 1, wherein D is derived from a substituted succinic acid derivative having from 10 to 100 carbon atoms.

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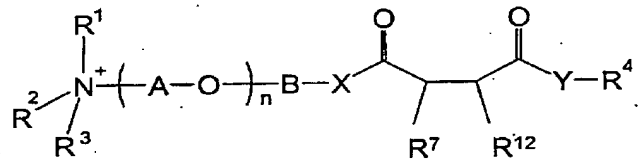
11.(Currently Amended) The method of claim 1, wherein D is a radical of the formula (3)



(3)

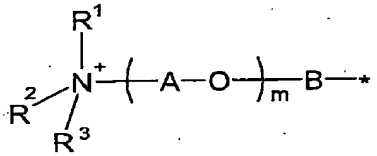
where

R^7 and R^{12} are each either hydrogen or a C_2- to C_{100}-alkyl or C_2- to C_{100}-alkenyl radical which is obtainable as an oligomer of C_2- to C_8-alkenes and may be straight-chain or branched, with the proviso that exactly one of the R^7 and R^{12} radicals is hydrogen wherein bonding of D occurs through any valence within R^7 or R^{12}, and

R^1, R^2 are each independently C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl,

R^3 is C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl, $-CHR^5-COO^-$ or $-O^-$,

R^4 is M, hydrogen or ~~an organic radical having from 1 to 100 carbon atoms,~~ a radical of the formula (2)



(2)

A is a C_2- to C_4-alkylene group,

B is a C_1- to C_{10}-alkylene group,

X, Y are each independently O or NR^6,

n is a number from 1 to 30.

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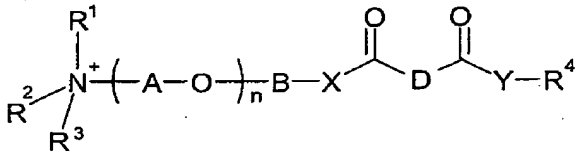
12.(Withdrawn) A compound of the formula (1)



(1)

where

R^1, R^2 are each independently C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl,

R^3 is C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl, $-CHR^5-COO^-$ or $-O^-$,

R^4 is M, hydrogen or an organic radical having from 1 to 100 carbon atoms,

A is a C_2- to C_4-alkylene group,

B is a C_1- to C_{10}-alkylene group,

D is an organic radical having from 1 to 600 carbon atoms,

X, Y are each independently O or NR^6,

R^5, R^6 are each independently hydrogen, C_1- to C_{22}-alkyl, C_2- to C_{22}-alkenyl, C_6- to C_{30}-aryl or C_7- to C_{30}-alkylaryl, and

M is a cation

n is a number from 1 to 30.

13.(Canceled)

14.(Canceled)

15.(Withdrawn) The compound of claim 12, wherein R^4 contains heteroatoms.

16.(Withdrawn) The compound of claim 12, wherein D contains heteroatoms.

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